



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Grand Mesa Operating  
 1700 N Waterfront PKWY BLDG 600  
 Wichita, Ks 67206  
 ATTN: Bob Schreiber

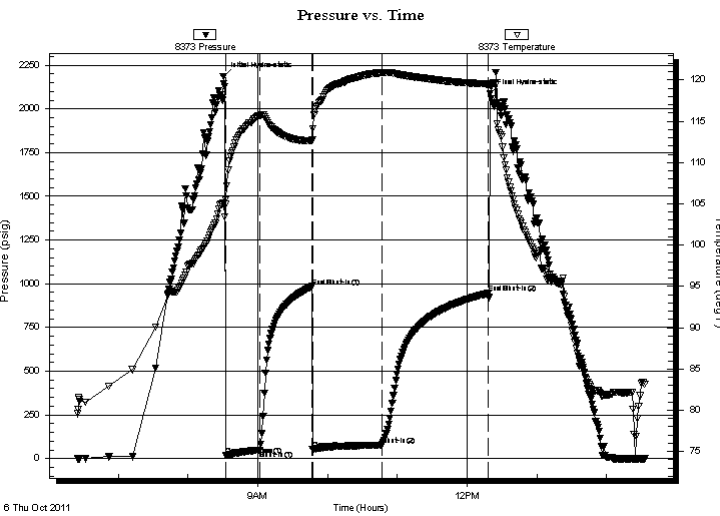
**15-16-33 Scott, KS**  
**Doornbos 1-15**  
 Job Ticket: 43839 **DST#: 3**  
 Test Start: 2011.10.06 @ 06:25:08

## GENERAL INFORMATION:

Formation: **Pleasanton**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 08:32:18 Tester: Brandon Turley  
 Time Test Ended: 14:32:47 Unit No: 35  
 Interval: **4347.00 ft (KB) To 4362.00 ft (KB) (TVD)** Reference Elevations: 3043.00 ft (KB)  
 Total Depth: 4362.00 ft (KB) (TVD) 3038.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

**Serial #: 8373 Inside**  
 Press @ Run Depth: 78.33 psig @ 4348.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.10.06 End Date: 2011.10.06 Last Calib.: 2011.10.06  
 Start Time: 06:25:08 End Time: 14:32:47 Time On Btm: 2011.10.06 @ 08:30:18  
 Time Off Btm: 2011.10.06 @ 12:19:32

**TEST COMMENT:** IF: 1/4 blow built to 4 in 30 min.  
 IS: No return.  
 FF: Surface blow built to 5 in 60 min.  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.39	105.14	Initial Hydro-static
2	17.43	104.93	Open To Flow (1)
31	49.23	115.72	Shut-In(1)
77	984.07	112.61	End Shut-In(1)
77	55.02	112.76	Open To Flow (2)
137	78.33	120.88	Shut-In(2)
228	944.83	119.50	End Shut-In(2)
230	2085.51	118.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	mcw 80%w 20%m	0.30
70.00	mcw 60%w 40%m	0.44
10.00	oil 100%o	0.14

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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**FLUID SUMMARY**

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**Doornbos 1-15**

Job Ticket: 43839

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

29000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mcw 80%w 20%m	0.295
70.00	mcw 60%w 40%m	0.444
10.00	oil 100%o	0.140

Total Length: 140.00 ft      Total Volume: 0.879 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .21@82=29000

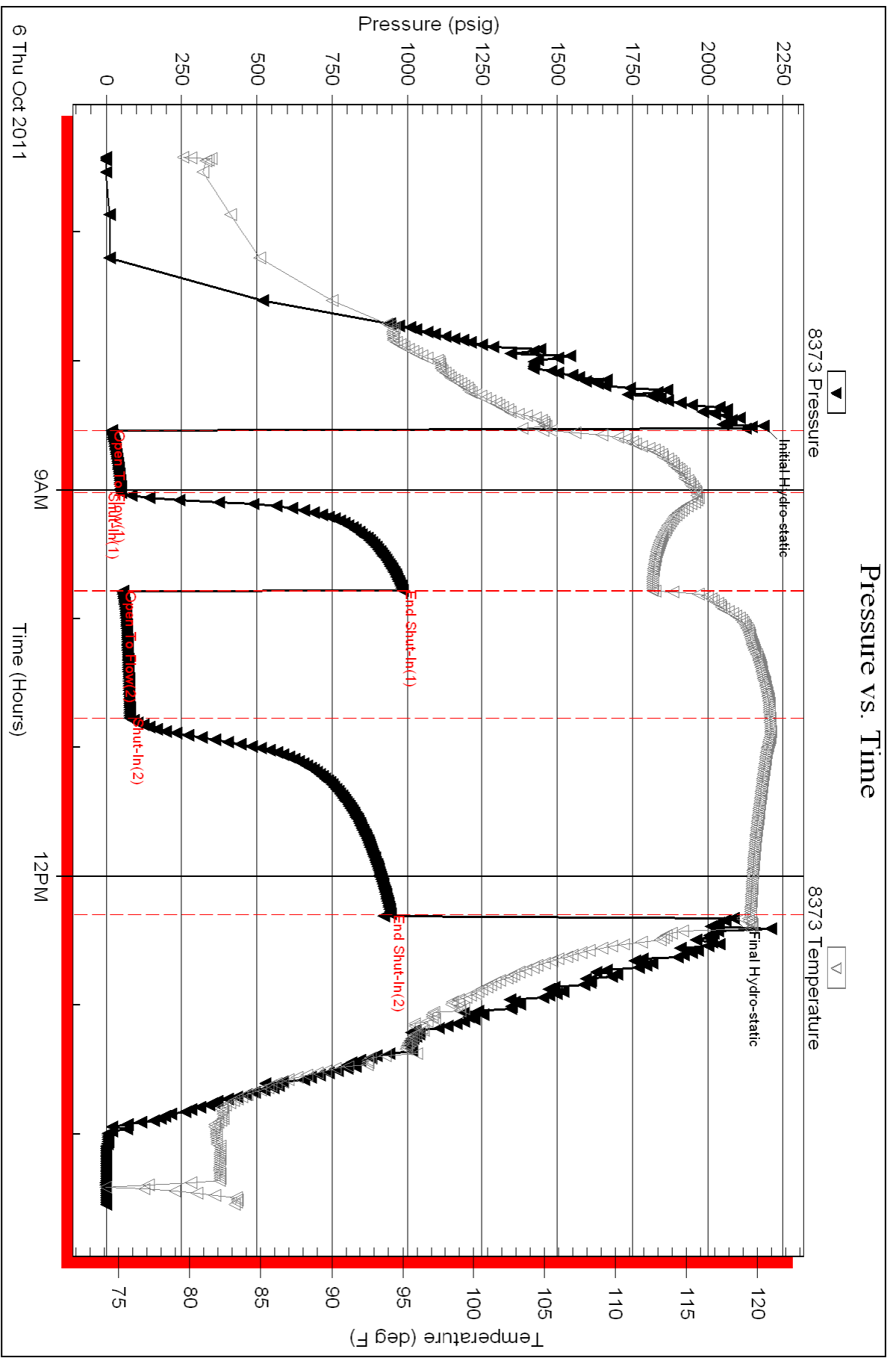
Serial #: 8373

Inside

Grand Mesa Operating

Doorbos 1-15

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 43839

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